

Name: _____ Date: _____

Algebra 1B Pd _____

Weekend Word Problem #7: Linear Inequalities

The Situation: Aminah wants to make a profit of AT LEAST (\geq) six thousand dollars with her sweater business. She has already made a profit of two thousand dollars and is selling each sweater for fifty dollars.

The Inequality: Write an inequality in slope-intercept form that represents the situation.

Graph the Inequality: Use only the first quadrant. Be sure to SHADE.

The Question: What is the minimum number of sweaters Aminah can sell in order to reach her goal? Explain how you arrived at your answer.
